

Product Information
100 bp+3K DNA Ladder,
Ready to Use
BYDL100 56 µg / 500 µl

Size: 500 µl

5 µl per well for 100 gel applications

Storage

Room temperature for 6 months

4°C for 12 months

-20°C for 36 months

Recommended loading volume

5 µl/ well

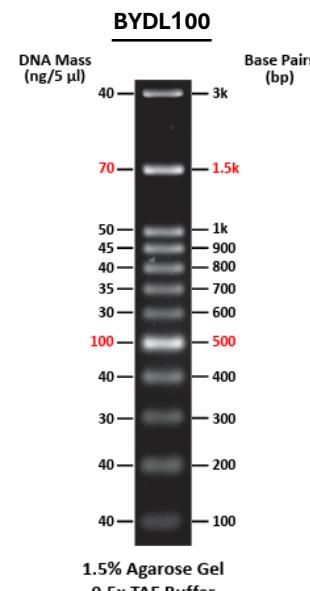
Specification

-Size Range : 100 ~ 3,000 bp

-Band Number : 12

-Tracking Dye : Orange G, Xylene cyanol FF

- Enhanced Band : 1.5 kb and 500 bp



Note: This DNA Ladder was not designed for precise quantification of DNA mass, but can be used for approximating the mass of DNA by intensity comparison.

Description

The BYDL100 100 bp+3K™ DNA Ladder is a ready-to-use DNA ladder, which is pre- mixed with loading dye for direct gel loading. The DNA Ladder BYDL 100 is composed of 12 individual DNA fragments: 3 k, **1.5k**, 1k, 900, 800, 700, 600, **500**, 400, 300, 200 and 100 bp derived from a mixture of PCR products and specifically digested plasmid DNA. This product contains two enhanced bands (1.5 kb and 500 bp) for easy reference. In addition, two tracking dyes, Xylene cyanol FF and Orange G which mimic the migration of 4,000 bp and 50 bp dsDNA during electrophoresis are added for real time monitoring.

Source

Phenol extracted PCR products and dsDNA digested with specific restriction enzymes, equilibrated in 10 mM Tris-HCl (pH 8.0) and 10mM EDTA

Buffering

10 mM Tris-HCl (pH 8.0), 10 mM Na-EDTA, 0.025% Orange G, 0.005% Xylene cyanol FF and 10% Glycerol.

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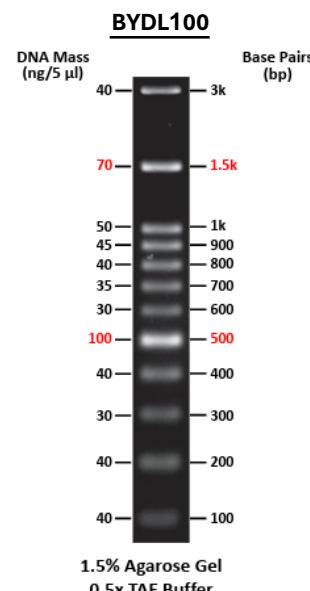
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Quality Control

1. 12 defined bands are observed during electrophoresis in agarose gel.
2. No nuclease activity is detected by a direct nuclease activity assay.

Other information

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Caution

Not intended for human or animal diagnostic or therapeutic uses.

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